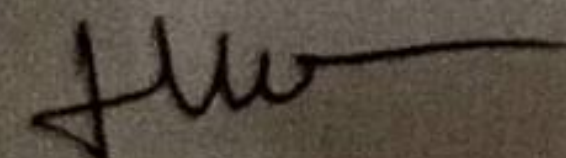
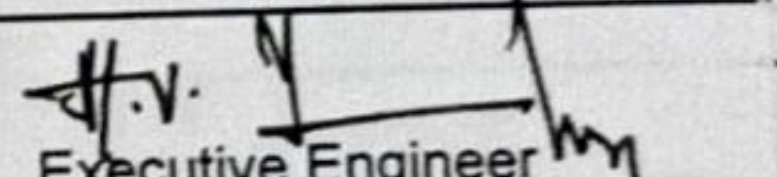


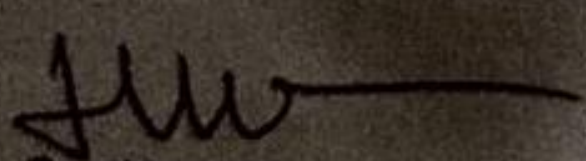
Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa		
			In figures	In words	
130	150.06	Providing and installing of approved make pre painted Galvalume iron Accessories, like, plain, ridges, plain gutter, plain flashing, corner Trim, etc. The total coated thickness (TCT) of the sheet shall be 0.47 mm +/- 0.02 tolerance mm Zinc-Alu Alloy coating AZ 150 gsm as per ASTM 1397/755 -550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling / self tapping screws of 25 mm length. (width upto 500-600 mm only), to be fixed over the existing purlins, rafters, channels and trusses complete as per specifications and directions of the Engineer in charge	Sqm	719.93	Rupees Seven Hundred Nineteen And Paise Ninety Three Only
131	8.00	Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. and directions of the Engineer in charge.	No	301.06	Rupees Three Hundred One And Paise Six Only
132	82.31	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.	Cum	67.76	Rupees Sixty Seven And Paise Seventy Six Only
133	110.97	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and directions of the Engineer in charge. 5km lead= $57+2.0 \times 1.28 \times 5 = 69.80$	Cum	212.30	Rupees Two Hundred Twelve And Paise Thirty Only
134	16.47	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications and directions of the Engineer in charge	Cum	5579.44	Rupees Five Thousand Five Hundred Seventy Nine And Paise Forty Four Only
135	42.48	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs. With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and Bottom including centering shuttering, cost of materials, HOM of Machinery, Curing Etc., Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm and directions of the Engineer in charge	Cum	7275.64	Rupees Seven Thousand Two Hundred Seventy Five And Paise Sixty Four Only
136	109.80	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc ,complete. (Data Rate) complete as per specifications and directions of the Engineer in charge.	Sqm	2360.37	Rupees Two Thousand Three Hundred Sixty And Paise Thirty Seven Only
137	893.60	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and coarse sand for manufacturer of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average Thinkness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to comeup in between joints , final compaction of pavers surfaces joint into its final level including cost of materials, labour and HOM complete as per specifications and directions of the Engineer in charge	Sqm	1148.61	Rupees One Thousand One Hundred Forty Eight And Paise Sixty One Only

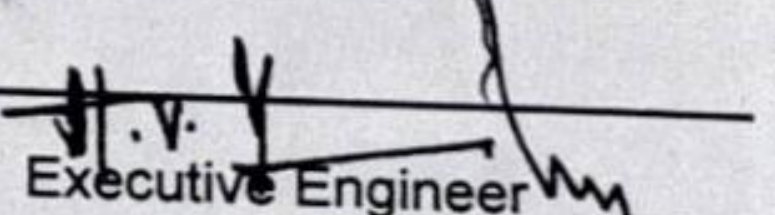

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Sl. No.	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
	316.00	Providing and filling sand in trenches to required depth including watering ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site	Cum	2247.05	Rupees Two Thousand Two Hundred Forty Seven And Paise Five Only
139	0.38	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications and directions of the Engineer in charge	Cum	5914.32	Rupees Five Thousand Nine Hundred Fourteen And Paise Thirty Two Only
140	38.40	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc., complete. As per the direction of Engineer incharge.	Nos	445.05	Rupees Four Hundred Forty Five And Paise Five Only
141	41.36	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications complete. As per the direction of Engineer incharge.	Sqm	87.26	Rupees Eighty Seven And Paise Twenty Six Only
142	3.00	Laying Reinforced cement concrete pipe NP4 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets and directions of the Engineer in charge	m	11066.17	Rupees Eleven Thousand Sixty Six And Paise Seventeen Only
143	1.41	Providing Aggregate 53 mm nominal size complete. As per the direction of Engineer incharge.	Cum	1064.83	Rupees One Thousand Sixty Four And Paise Eighty Three Only
144	0.35	Providing Aggregate 40 mm nominal size complete. As per the direction of Engineer incharge.	Cum	1102.34	Rupees One Thousand One Hundred Two And Paise Thirty Four Only
145	0.35	Providing Aggregate 20 mm nominal size complete As per the direction of Engineer incharge.	Cum	1102.34	Rupees One Thousand One Hundred Two And Paise Thirty Four Only
146	0.24	Providing sand / Artificial Sand / Manufactured sand complete As per the direction of Engineer incharge.	Cum	1607.34	Rupees One Thousand Six Hundred Seven And Paise Thirty Four Only
147	35.00	Providing and fixing white vitreous china clay, water closet european type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Each	5406.00	Rupees Five Thousand Four Hundred Six Only
148	4.00	Providing and fixing white vitreous china clay, flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Unit	8806.03	Rupees Eight Thousand Eight Hundred Six And Paise Three Only


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Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
			In figures	In words
12.00	Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. and directions of the Engineer in charge.	Unit	3434.93	Rupees Three Thousand Four Hundred Thirty Four And Paise Ninety Three Only
150	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Unit	1239.15	Rupees One Thousand Two Hundred Thirty Nine And Paise Fifteen Only
151	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Unit	806.10	Rupees Eight Hundred Six And Paise Ten Only
152	Providing wash basin brackets of approved 1st quality and make confirming to ISI specifications and fixing for low down cistern as directed. Rate includes cost of materials and conveyance to work spot. complete as per specifications and directions of the Engineer in charge.	Pair	261.79	Rupees Two Hundred Sixty One And Paise Seventy Nine Only
153	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. complete as per specifications and directions of the Engineer in charge.	Each	163.62	Rupees One Hundred Sixty Three And Paise Sixty Two Only
154	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. For Rain water pipe. -do - 110 mm dia complete as per specifications and directions of the Engineer in charge.	m	473.41	Rupees Four Hundred Seventy Three And Paise Forty One Only
155	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. For Rain water pipe. do- 160mm dia complete as per specifications and directions of the Engineer in charge.	m	930.45	Rupees Nine Hundred Thirty And Paise Forty Five Only
156	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 600x600mm. complete as per specifications and directions of the Engineer in charge.	Nos	9260.89	Rupees Nine Thousand Two Hundred Sixty And Paise Eighty Nine Only

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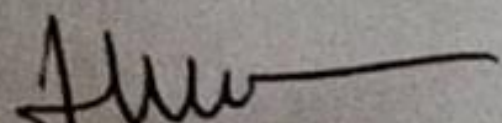
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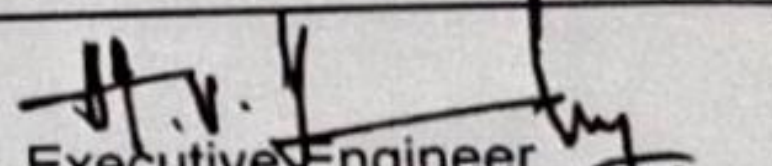
Sl. No.	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
157	1.00	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 5000 Litre capacity) as per Specification and directions of the Engineer in charge.	Each	37239.91	Rupees Thirty Seven Thousand Two Hundred Thirty Nine And Paise Ninety One Only
158	13.00	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Each	188.71	Rupees One Hundred Eighty Eight And Paise Seventy One Only
159	254.00	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Each	153.80	Rupees One Hundred Fifty Three And Paise Eighty Only
160	4.00	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Each	366.51	Rupees Three Hundred Sixty Six And Paise Fifty One Only
161	521.30	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) (20mm nominal OD pipes) complete as per specifications and directions of the Engineer in charge.	m	256.34	Rupees Two Hundred Fifty Six And Paise Thirty Four Only
162	527.10	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) (25mm nominal OD pipes) complete as per specifications and directions of the Engineer in charge.	m	319.60	Rupees Three Hundred Nineteen And Paise Sixty Only
163	154.00	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5sqmm(phase & Neutral) & 1X1.0sqmm (Earth Wire) FRLS multistrand PVC insulated, 2x1.5sqmm copper conforming to the GTP With a 6Amps plug type SP control switch shall be fixed on the existing plastic sheet / gland box. The other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet. Short point upto 3m complete as per specifications and directions of the Engineer in charge.	Point	202.00	Rupees Two Hundred Two Only

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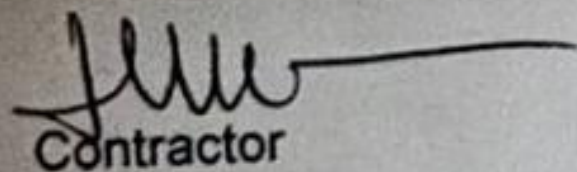
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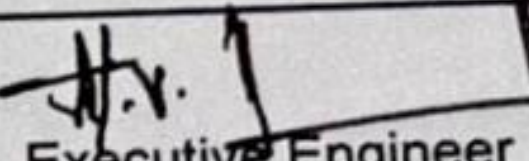
Sl. No.	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
164	60.00	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase & Netural) & 1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC Insulated, 2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box. the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet. Medium point above 3m - 6m complete as per specifications and directions of the Engineer in charge.	Point	277.75	Rupees Two Hundred Seventy Seven And Paise Seventy Five Only
165	608.87	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste ets, and running befour concreting and slab. The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fig wire wherever necessary complete as per specifications and directions of the Engineer in charge.	Mtr	83.83	Rupees Eighty Three And Paise Eighty Three Only
166	73.80	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. complete as per specifications and directions of the Engineer in charge.	Mtr	92.92	Rupees Ninety Two And Paise Ninety Two Only
167	2065.00	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 19/20mm dia, 2mm thick complete as per specifications and directions of the Engineer in charge.	Mtr	40.40	Rupees Forty And Paise Forty Only
168	1112.12	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 25mm dia, 2mm thick complete as per specifications and directions of the Engineer in charge.	Mtr	53.53	Rupees Fifty Three And Paise Fifty Three Only
169	498.50	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 32mm dia, 2mm thick complete as per specifications and directions of the Engineer in charge.	Mtr	83.83	Rupees Eighty Three And Paise Eighty Three Only
170	125.00	Supplying and flush modular powder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall 1 - 3 Way complete as per specifications and directions of the Engineer in charge.	Each	95.95	Rupees Ninety Five And Paise Ninety Five Only
171	141.00	Supplying and flush modular powder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall 4 - 5 Way complete as per specifications and directions of the Engineer in charge.	Each	106.05	Rupees One Hundred Six And Paise Five Only


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Sl. No.	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
	141.00	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mounting in existing gang box or in 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required complete as per specifications and directions of the Engineer in charge.	Each	133.32	Rupees One Hundred Thirty Three And Paise Thirty Two Only
173	5.00	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flush mounted wooden box and wiring complete as per specifications and directions of the Engineer in charge.	Each	172.71	Rupees One Hundred Seventy Two And Paise Seventy One Only
174	102.00	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/niches as per IS 1293 and IS 3854 16Amps Combined switch and socket with indication complete as per specifications and directions of the Engineer in charge.	No	195.94	Rupees One Hundred Ninety Five And Paise Ninety Four Only
175	91.00	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/niches Electronic stepped regulator. complete as per specifications and directions of the Engineer in charge.	No	213.11	Rupees Two Hundred Thirteen And Paise Eleven Only
176	2180.76	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendments. 2.5sqmm complete as per specifications and directions of the Engineer in charge.	Mtr	32.32	Rupees Thirty Two And Paise Thirty Two Only
177	2607.00	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendments. 4 sqmm complete as per specifications and directions of the Engineer in charge.	Mtr	45.45	Rupees Forty Five And Paise Forty Five Only
178	116.00	Supplying and fixing Metal Fan Box with Round Hook complete as per specifications and directions of the Engineer in charge.	Nos	85.85	Rupees Eighty Five And Paise Eighty Five Only
179	35.00	Supplying and fixing of Group A, regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosure. 12 way SP & N complete as per specifications and directions of the Engineer in charge.	Nos	1222.10	Rupees One Thousand Two Hundred Twenty Two And Paise Ten Only
180	50.00	Supply and fixing miniature circuit breakers on the existing MCB distribution boards using necessary fixing materials and "C" type curve, Indicator ON/OFF energy cross -3 with as required confirming to IEC 60898 5-32 AMPS DP complete as per specifications and directions of the Engineer in charge.	Nos	918.09	Rupees Nine Hundred Eighteen And Paise Nine Only
181	3.00	Supplying, fixing and wiring earth electrode for grounding conduits, I.C. cutouts and others equipments on the meter board using 40mm dia 2.90mm long buried in a pit.. the pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit ect, is to be established through GI wire of size as ISI specification 7.3.3 of IS 732 using 12mm dia bolt, nut, washers and check nuts ect... the pipe shall have 16 through holes of 122mm dia, complete as per specifications and directions of the Engineer in charge.	No	3029.70	Rupees Three Thousand Twenty Nine And Paise Seventy Only
182	200.81	Supplying and running of GI/ copper strips for grounding connections, using necessary fixing materials as required. 25 x 3mm G.I strip complete as per specifications and directions of the Engineer in charge.	Mtr	75.75	Rupees Seventy Five And Paise Seventy Five Only


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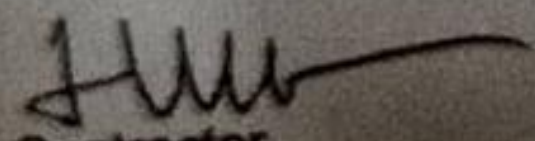
	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
			In figures	In words
183	Supplying and fixing of slim box Fitting made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast & Fluorescent Tube. 1X4' Tube light Fitting complete as per specifications and directions of the Engineer in charge.	No	303.00	Rupees Three Hundred Three Only
184	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc. for operation on 230 volts, 50 cycles, single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm) complete as per specifications and directions of the Engineer in charge.	Each	2110.90	Rupees Two Thousand One Hundred Ten And Paise Ninety Only
185	Supply Exhaust fan if 1440 RPM of (12") size with dracket blades complete for light duty suitable to operate on 230V 50Hz, supply complete complete as per specifications and directions of the Engineer in charge.	Each	1212.00	Rupees One Thousand Two Hundred Twelve Only
186	Fabricating supplying and mounting MS box made out 14SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete (49/6.40) 14SWG complete as per specifications and directions of the Engineer in charge.	Sqcm	25250.00	Rupees Twenty Five Thousand Two Hundred Fifty Only
187	Supplying amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic FRP/DMC insulator which are mounted on powder coated 40x6mm M.S. flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. (49/6.39) 1000Amps 4x75x10mm Aluminium Strips, complete as per specifications and directions of the Engineer in charge.	Mtr	4882.34	Rupees Four Thousand Eight Hundred Eighty Two And Paise Thirty Four Only
188	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron... and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint (49/6.39) 75x75x6mm complete as per specifications and directions of the Engineer in charge.	Mtr	479.75	Rupees Four Hundred Seventy Nine And Paise Seventy Five Only
189	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron... and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint (49/6.39) 75x150x50x6mm C channel complete as per specifications and directions of the Engineer in charge.	Mtr	654.48	Rupees Six Hundred Fifty Four And Paise Forty Eight Only
190	Supplying and Fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete, protection of Overload and Short circuit with thermal Magnetic/Microprocessed release and Earth Fault (icu = Ics) (53/4.12) 630Amps 50kA complete as per specifications and directions of the Engineer in charge.	Each	30340.40	Rupees Thirty Thousand Three Hundred Forty And Paise Forty Only
191	Supplying and Fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete, protection of Overload and Short circuit with thermal Magnetic/Microprocessed release and Earth Fault as per IS-13947. (icu = Ics) (53/4.12) 63/100Amps 25kA complete as per specifications and directions of the Engineer in charge.	Each	5867.09	Rupees Five Thousand Eight Hundred Sixty Seven And Paise Nine Only

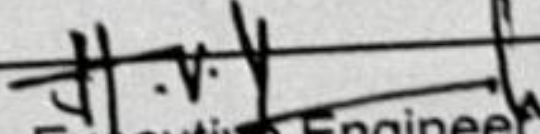
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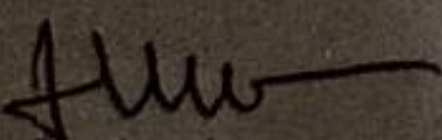
	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
			In figures	In words
30.00	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' cure, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required. Confirming to IEC 60898. (54/6.15) 40-63Amps TPN complete as per specifications and directions of the Engineer in charge.	Each	1955.36	Rupees One Thousand Nine Hundred Fifty Five And Paise Thirty Six Only
193 30.00	Supplying and fixing Trivector meter suitable for operation LT operation and CT operated meter in polycarbonate body in class 0.5 accuracy as per IS 14697 and completely wired complete as per specifications and directions of the Engineer in charge.	Each	3815.78	Rupees Three Thousand Eight Hundred Fifteen And Paise Seventy Eight Only
194 1.00	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C (48/6.36) complete as per specifications and directions of the Engineer in charge.	Each	446.42	Rupees Four Hundred Forty Six And Paise Forty Two Only.
195 1.00	Supplying, fixing and wiring 50/5 to 1000/5Amps 5VA burden Current Transformer. Class 0.5 accuracy with Tape Wound (48/6.32) complete as per specifications and directions of the Engineer in charge.	Each	727.20	Rupees Seven Hundred Twenty Seven And Paise Twenty Only
196 108.30	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2Cx 10Sq.mm wire armoured) Confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with confirming to the attached GTP of GROUP-A. (62/7.4) 3.5 core 240 sqmm complete as per specifications and directions of the Engineer in charge.	Mtr	1141.30	Rupees One Thousand One Hundred Forty One And Paise Thirty Only
197 24.20	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2Cx 10Sq.mm wire armoured) Confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1998 & confirming to the attached GTP of GROUP-A. (62/7.4) 3.5 core 25 sqmm complete as per specifications and directions of the Engineer in charge.	Mtr	181.80	Rupees One Hundred Eighty One And Paise Eighty Only
198 24.20	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. (68/7.8) 25 sqmm to 75 sqmm complete as per specifications and directions of the Engineer in charge.	Mtr	15.66	Rupees Fifteen And Paise Sixty Six Only
199 72.20	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. (68/7.8) 300 sqmm 400 Sqmm complete as per specifications and directions of the Engineer in charge.	Mtr	32.32	Rupees Thirty Two And Paise Thirty Two Only
200 4.00	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.(64/7.21) 25 sqmm Long Barrel complete as per specifications and directions of the Engineer in charge.	Each	20.80	Rupees Twenty And Paise Eighty Only
201 4.00	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.(64/7.21) 300 sqmm Long Barrel complete as per specifications and directions of the Engineer in charge.	Each	341.38	Rupees Three Hundred Forty One And Paise Thirty Eight Only
202 4.00	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) (69/7.14) 50mm dia complete as per specifications and directions of the Engineer in charge.	Each	257.55	Rupees Two Hundred Fifty Seven And Paise Fifty Five Only
203 4.00	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) (69/7.14) 75mm dia complete as per specifications and directions of the Engineer in charge.	Each	500.96	Rupees Five Hundred And Paise Ninety Six Only
204 70.00	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating. (68/7.9) In soil (hard) complete as per specifications and directions of the Engineer in charge.	Mtr	107.06	Rupees One Hundred Seven And Paise Six Only

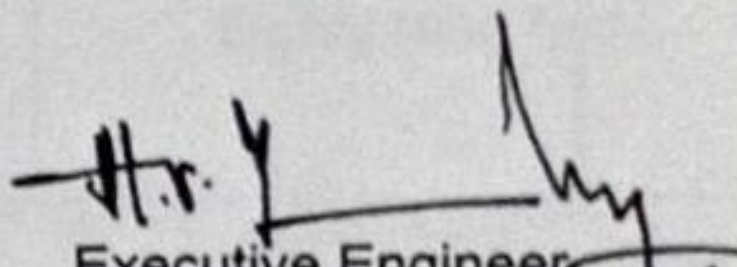

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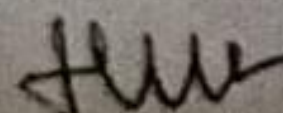
Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
		In figures	In words
14.00 Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. (68/7.12) 40mm complete as per specifications and directions of the Engineer in charge.	Mtr	348.45	Rupees Three Hundred Forty Eight And Paise Forty Five Only
206 10.00 Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. (68/7.12) 65mm complete as per specifications and directions of the Engineer in charge.	Mtr	590.85	Rupees Five Hundred Ninety And Paise Eighty Five Only
207 252.37 Earthwork in surface excavation in Ordinary Soil for Levelling and Lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications and directions of the Engineer in charge.	Cum	271.61	Rupees Two Hundred Seventy One And Paise Sixty One Only
208 55.42 Providing and Laying in position plain cement concrete of Mix 1:3:6 with OPC Cement @180kgs with 40mm down size graded granite metal coarse aggregate 0.85cum and fine aggregate @ 0.57Cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation, plinth, including cost of materials, HOM of machineries, curing complete as per specification and directions of the Engineer in charge.	Cum	5665.62	Rupees Five Thousand Six Hundred Sixty Five And Paise Sixty Two Only
209 67.87 Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplasticiser @3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications and directions of the Engineer in charge.	Cum	6593.89	Rupees Six Thousand Five Hundred Ninety Three And Paise Eighty Nine Only
210 119.91 Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification and directions of the Engineer in charge.(First Floor)	Sqm	524.67	Rupees Five Hundred Twenty Four And Paise Sixty Seven Only
211 122.56 Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification and directions of the Engineer in charge.(Second Floor)	Sqm	551.94	Rupees Five Hundred Fifty One And Paise Ninety Four Only
212 30.00 Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification and directions of the Engineer in charge.(Head Room)	Sqm	579.21	Rupees Five Hundred Seventy Nine And Paise Twenty One Only

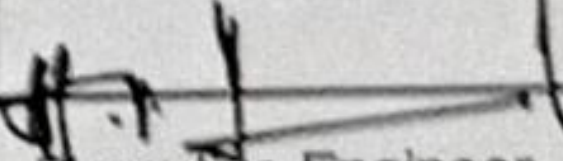

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Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
		In figures	In words
Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones hammer dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge	Cum	5980.86	Rupees Five Thousand Nine Hundred Eighty And Paise Eighty Six Only
Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specification and directions of the Engineer in charge	Sqm	50.18	Rupees Fifty And Paise Eighteen Only
Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and directions of the Engineer in charge	Sqm	994.81	Rupees Nine Hundred Ninety Four And Paise Eighty One Only
Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and directions of the Engineer in charge (First Floor)	Sqm	1032.99	Rupees One Thousand Thirty Two And Paise Ninety Nine Only
Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and directions of the Engineer in charge (Second Floor)	Sqm	1071.17	Rupees One Thousand Seventy One And Paise Seventeen Only
Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and directions of the Engineer in charge (Head room)	Sqm	1109.34	Rupees One Thousand One Hundred Nine And Paise Thirty Four Only
Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and directions of the Engineer in charge	Sqm	1039.53	Rupees One Thousand Thirty Nine And Paise Fifty Three Only
Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and directions of the Engineer in charge (First Floor)	Sqm	1077.71	Rupees One Thousand Seventy Seven And Paise Seventy One Only
Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and directions of the Engineer in charge (Second Floor)	Sqm	1115.89	Rupees One Thousand One Hundred Fifteen And Paise Eighty Nine Only


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	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
			In figures	In words
	Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and directions of the Engineer in charge (Patapet wall)	Sqm	1154.07	Rupees One Thousand One Hundred Fifty Four And Paise Seven Only
223	27.34 Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of the Engineer in charge (First Floor)	Sqm	345.78	Rupees Three Hundred Forty Five And Paise Seventy Eight Only
224	28.43 Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of the Engineer in charge (Second Floor)	Sqm	373.05	Rupees Three Hundred Seventy Three And Paise Five Only
225	2.10 Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of the Engineer in charge (Head room)	Sqm	400.32	Rupees Four Hundred And Paise Thirty Two Only
226	1.62 Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregates @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications and directions of the Engineer in charge (First Floor)	Sqm	547.58	Rupees Five Hundred Forty Seven And Paise Fifty Eight Only
227	16.20 Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregates @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications and directions of the Engineer in charge (Second Floor)	Sqm	554.13	Rupees Five Hundred Fifty Four And Paise Thirteen Only
228	16.20 Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification and directions of the Engineer in charge (First Floor)	Sqm	358.87	Rupees Three Hundred Fifty Eight And Paise Eighty Seven Only
229	16.20 Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification and directions of the Engineer in charge (second Floor)	Sqm	365.42	Rupees Three Hundred Sixty Five And Paise Forty Two Only

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Item Name		Unit	Approved Rates of Sri. H V Onkarappa	
			In figures	In words
144.72	Providing and laying in position cement concrete using 25mm and down size granite coarse aggregate and fine aggregate of ready mix concrete for RCC works laid 15cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift complete. (exclusive of cost of steel fabrication charges) -Ready mixed cement concrete for Beams, columns staircase and roof with M-25(1:1:2) (Cement-320Kg/cum) complete as per specification and directions of the Engineer in charge	Cum	5996.13	Rupees Five Thousand Nine Hundred Ninety Six And Paise Thirteen Only
231 154.78	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of the Engineer in charge (First Floor)	Sqm	325.06	Rupees Three Hundred Twenty Five And Paise Six Only
232 154.78	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of the Engineer in charge (Second Floor)	Sqm	331.60	Rupees Three Hundred Thirty One And Paise Sixty Only
233 24.31	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of the Engineer in charge (Head Room)	Sqm	338.15	Rupees Three Hundred Thirty Eight And Paise Fifteen Only
234 709.19	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications and directions of the Engineer in charge	Sqm	479.95	Rupees Four Hundred Seventy Nine And Paise Ninety Five Only
235 770.19	Providing 12mm thick cement plastering in a single coat with cement mortar 1:3 to ceiling including rounding of corner wherever required smooth rendering, providing and removing scaffolding, including cost of materials, Labour, Curing complete as per specification and directions of the Engineer in charge	Sqm	256.34	Rupees Two Hundred Fifty Six And Paise Thirty Four Only
236 237.27	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement slurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick joint less cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square, (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and	sqm	1097.34	Rupees One Thousand Ninety Seven And Paise Thirty Four Only

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	Item Name	Unit	Approved Rates of Sri. H V Chikappa		
			In figures	In words	
237	71.28	UPVC WINDOWS Providing and fixing of 3-track x 2 panel sliding windows made out of multi chambered UPVC (matching to RAL-8018) sections and with minimum TiO ₂ (Titanium Dioxide)at 8PHR with TPV(Thermo plastic vulcanized) and lead free, gaskets-grey colour having isolated drainageand reinforced with galvanized iron profile through out the window frame. The outer frame having a overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and sash with overall size of 39mm x 75mm with UPVC honeycomb structureinside in lieu of GI reinforcement. Glazing bead for fixing of glass shall be a size of 20mm x 24mm. windows shall be provided with 5mm plain float glass, standard hardware and single point locking system with crescent locks, wall thickness of frame and sash shall be of 2mm to 2.5mm. Maximum possible size 2419mm x 2119mm. complete as per specification and directions of the Engineer in charge	sqm	8190.29	Rupees Six Thousand One Hundred Ninety And Paise Twenty Nine Only
238	2495.56	Providing 15 mm thick cement plaster in single coat with Cement Mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specification and directions of the Engineer in charge	sqm	226.89	Rupees Two Hundred Twenty Six And Paise Eighty Nine Only
239	1098.21	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge	Sqm	34.91	Rupees Thirty Four And Paise Ninety One Only
240	976.16	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge (First Floor)	Sqm	41.45	Rupees Forty One And Paise Forty Five Only
241	837.26	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge (Second Floor)	Sqm	48.00	Rupees Forty Eight Only
242	83.43	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge (head room)	Sqm	54.54	Rupees Fifty Four And Paise Fifty Four Only
243	77.83	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1 Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I : Surface Road (PWD -SZB-SR 2016-17, P-134, I-17.4) lead taken - 15 km = Rs 2.5 t/km = (basic rate + area weightage) x 15 km = 67.50 (debris density 1.3 tonne/cum)loading,unloading & haulage of dismantling quantity complete as per specifications and directions of the Engineer in charge	Cum	115.35	Rupees One Hundred Fifteen And Paise Thirty Five Only

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	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
			In figures	In words
244	252.37 Loading and Unloading of Stone Boulder / Stone aggregates / Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1 Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-1 : Surface Road (PWD -SZB-SR 2016-17, P-134, I-17.4) lead taken - 15 km = Rs 2.5 t/km = (basic rate + area weightage) x 15 km = 67.50 (debris density 1.3 tonne/cum haulage of marshy soil & ordinary soil complete as per specifications and directions of the Engineer in charge	MT	40.91	Rupees Forty And Paise Ninety Only
245	598.72 Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including primary coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing surface even and sand paper smooth, cost of materials, labour, complete ass per specifications and directions of the Engineer in charge	Sqm	119.99	Rupees One Hundred Nineteen And Paise Ninety Nine Only
246	976.16 Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including primary coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing surface even and sand paper smooth, cost of materials, labour, complete ass per specifications and directions of the Engineer in charge (First Floor)	Sqm	126.53	Rupees One Hundred Twenty Six And Paise Fifty Three Only
247	837.26 Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including primary coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing surface even and sand paper smooth, cost of materials, labour, complete ass per specifications and directions of the Engineer in charge (Second Floor)	Sqm	133.08	Rupees One Hundred Thirty Three And Paise Eight Only
248	83.43 Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including primary coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing surface even and sand paper smooth, cost of materials, labour, complete ass per specifications and directions of the Engineer in charge (Head room)	Sqm	139.62	Rupees One Hundred Thirty Nine And Paise Sixty Two Only
249	753.18 Providing and finishing External walls in two coats over one coat of 100% acrylic silicon glaze primer with antifungal paint for coat of approved brand and shade to give an even shade after thouroughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materilas , labour, complete as per specification and directions of the Engineer in charge	sqm	196.34	Rupees One Hundred Ninety Six And Paise Thirty Four Only
250	1125.82 Providing and finishing External walls in two coats over one coat of 100% acrylic silicon glaze primer with antifungal paint for coat of approved brand and shade to give an even shade after thouroughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materilas , labour, complete as per specification and directions of the Engineer in charge (First Floor)	sqm	200.71	Rupees Two Hundred And Paise Seventy One Only

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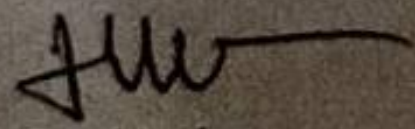
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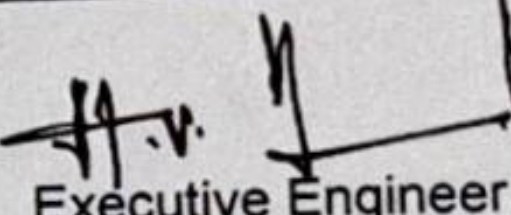
Item Name		Unit	Approved Rates of Sri. H V Onkarappa	
			In figures	In words
252	129.69	sqm	205.07	Rupees Two Hundred Five And Paise Seven Only
253	154.46	sqm	13.09	Rupees Thirteen And Paise Nine Only
254	149.66	sqm	17.45	Rupees Seventeen And Paise Forty Five Only
255	149.10	sqm	21.82	Rupees Twenty One And Paise Eighty Two Only
256	46.26	sqm	26.18	Rupees Twenty Six And Paise Eighteen Only
257	2.00	No	7447.98	Rupees Seven Thousand Four Hundred Forty Seven And Paise Ninety Eight Only
258	44.10	sqm	4676.26	Rupees Four Thousand Six Hundred Seventy Six And Paise Twenty Six Only

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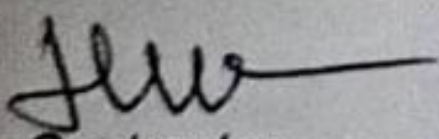
	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
			In figures	In words
259	114.00	m	599.94	Rupees Five Hundred Ninety Nine And Paise Ninety Four Only
260	14.70	sqm	3272.40	Rupees Three Thousand Two Hundred Seventy Two And Paise Forty Only
261	12.60	sqm	3276.76	Rupees Three Thousand Two Hundred Seventy Six And Paise Seventy Six Only

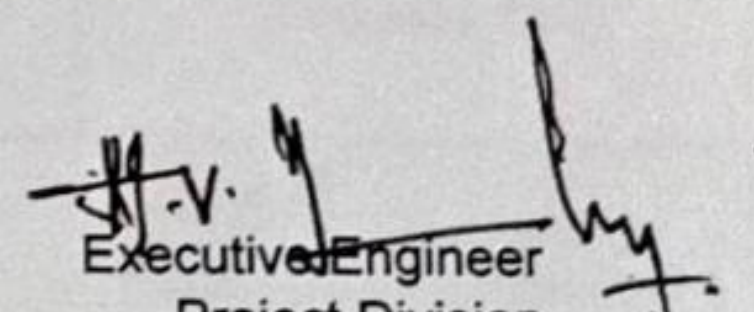

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		Unit	Approved Rates of Sri. H V Onkarappa	
			In figures	In words
262	14.70	sqm	3281.13	Rupees Three Thousand Two Hundred Eighty One And Paise Thirteen Only
263	2.10	sqm	5683.07	Rupees Five Thousand Six Hundred Eighty Three And Paise Seven Only
264	163.83	sqm	1064.62	Rupees One Thousand Sixty Four And Paise Sixty Two Only
265	150.90	sqm	1066.80	Rupees One Thousand Sixty Six And Paise Eighty Only
266	133.34	sqm	1068.98	Rupees One Thousand Sixty Eight And Paise Ninety Eight Only
267	27.90	sqm	1319.87	Rupees One Thousand Three Hundred Nineteen And Paise Eighty Seven Only


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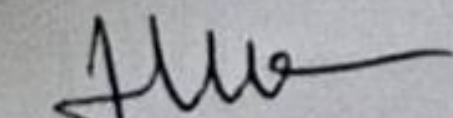

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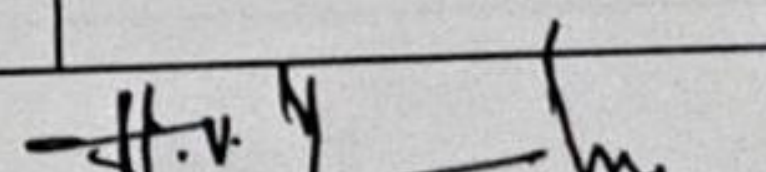
Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
		In figures	In words
Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specification and directions of the Engineer in charge..(first Floor)	sqm	1224.12	Rupees One Thousand Two Hundred Twenty Four And Paise Twelve Only
Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specification and directions of the Engineer in charge..(Second floor)	sqm	1324.23	Rupees One Thousand Three Hundred Twenty Four And Paise Twenty Three Only
Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specifications and directions of the Engineer in charge	sqm	1343.87	Rupees One Thousand Three Hundred Forty Three And Paise Eighty Seven Only
Providing and laying flooring using prepolished, gang saw/water cut 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications and directions of the Engineer in charge	sqm	2987.70	Rupees Two Thousand Nine Hundred Eighty Seven And Paise Seventy Only
Providing and laying flooring using prepolished, gang saw/water cut 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications and directions of the Engineer in charge (First Floor)	sqm	2989.88	Rupees Two Thousand Nine Hundred Eighty Nine And Paise Eighty Eight Only
Providing and laying flooring using prepolished, gang saw/water cut 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications and directions of the Engineer in charge (Second Floor)	sqm	2992.06	Rupees Two Thousand Nine Hundred Ninety Two And Paise Six Only
Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after thoroughly cleaning oil, grease, dirt and other foreign matter and scoured with wire brushes, fine steel wool, sand papers including cost of all materials , labour, complete as per specifications. Providing and applying enamel metal paint in two coats (Excluding priming coat) over new steel or other metal surface including preparing the surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter including cost of all materials , labour, complete as per specifications and directions of the Engineer in charge.	sqm	103.63	Rupees One Hundred Three And Paise Sixty Three Only
Providing and fixing on wall surface 2.5kg/sq.cm H.D.P.E rain down water pipes of approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wallplugs, screws, including cost of all materials, labour, curing, complete as per specifications and directions of the Engineer in charge	Rmt	398.14	Rupees Three Hundred Ninety Eight And Paise Fourteen Only

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Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
		In figures	In words
10.00 Providing, fabricating, assembling and fixing in position aluminium partitions using sections in combination of plain, single grove and double grove as per requirements for the frames of overall size 101.6mm x 44.45mm, 3.18mm.thick having section weight, plain sections 2.40kg/m single grove section 2.41kg/m. and double grove section 2.683 kg/m and bottom bottom member 114.3 mm x 44.45 mm 3.18 mm thick and 2.6 46 kg/m; aluminium louvres of size 77.6mmx27.6mm 1.7mm. thick section weight 0.483kg/m; bottom portions provided with 12mm. thick pre laminated sheet both side of approved colour lamination exterior grade; aluminium sections of mat finish or glossy finish using section, spacing of vertical member shall not exceed 0.6 m. c to c; sections are cut to the required lengths, joints mitered an corners grinded subdividing frames tennoned and riveted to the frames, the assembled frame should be stiffened with corner angles stripped and fixed with screws, rawl plugs and teak wood gutties to R.C.C.columns or masonry on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistling and making good with cement mortar to match the surface, providing and	Sqm	5163.85	Rupees Five Thousand One Hundred Sixty Three And Paise Eighty Five Only
277 15.12 Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifioation and directions of the Engineer in charge	Sqm	3285.49	Rupees Three Thousand Two Hundred Eighty Five And Paise Forty Nine Only
278 19.00 Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P.brass pillar taps with C.I./ M.S brackets, 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labhour complete as per specifications and directions of the Engineer in charge .	Nos	4370.84	Rupees Four Thousand Three Hundred Seventy And Paise Eighty Four Only
279 30.00 Providing and fixing white vitreous china clay, flat back, lipped front urinal basin 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I./M.S brackets, standard flush pipe and C.P.brass spreaders with brass unions and G.I.clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labhour complete as per specifications and directions of the Engineer in charge .	Each	3350.94	Rupees Three Thousand Three Hundred Fifty And Paise Ninety Four Only
280 19.00 Providing and fixing C.P. brass towel rail 600mm length, 20mm dia with C.P.brackets, fixed to wooden cleats with C.P.brass screws including cost of materials,labhour complete as per specifications and directions of the Engineer in charge .	m	735.20	Rupees Seven Hundred Thirty Five And Paise Twenty Only
281 350.00 Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 90mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labhour charges, HOM of equipments and testing complete as per specifications and directions of the Engineer in charge .	m	543.22	Rupees Five Hundred Forty Three And Paise Twenty Two Only


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Item Name		Unit	Approved Rates of Sri. H V Onkarappa	
			In figures	In words
284	1.00	Nos	305.42	Rupees Three Hundred Five And Paise Forty Two Only
	1.00	Each	9090.00	Rupees Nine Thousand Ninety Only
284	6.00	Each	7705.41	Rupees Seven Thousand Seven Hundred Five And Paise Forty One Only
285	1.00	Nos	54540.00	Rupees Fifty Four Thousand Five Hundred Forty Only
286	1.00	Nos	13045.97	Rupees Thirteen Thousand Forty Five And Paise Ninety Seven Only
287	300.00	mtr	40.40	Rupees Forty And Paise Fort Only

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